

FOLIO

UNIVERSITY OF ALBERTA
27 AUGUST 1993



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Board suspends presidential search process until 1 October

At its meeting on 6 August, the Board of Governors passed a motion to suspend the presidential search process. The process, initiated 25 June, will be held in abeyance until 1 October.

The Board further agreed to create a committee consisting of the members of the Board of Governors and the members of the former Review Committee.

The newly formed committee is called the Ad Hoc Committee of the Board Regarding the President. Its purpose is to invite, receive, and review representations concerning the performance of President Paul Davenport from any person or group wishing to make a submission.

A designated group assigned by the Ad Hoc Committee is working out the details of

the submission-making process and formulating guidelines under which the committee could operate. It's expected that the Ad Hoc Committee will consider the proposed guidelines 30 August.

The Ad Hoc Committee of the Board Regarding the President will report with recommendations to the Board at its 1 October meeting.

Members of the Ad Hoc Committee of the Board Regarding the President are (from the Board of Governors): Stan Milner (Chairman); Ron Bercov and Tom Powrie, Academic Staff Representatives; Frank Coughlan, Graduate Students' Association President; Terence Filewych, Students' Union President; Sasha Krstic, Undergraduate Student Representative; Graham Luck and Rag MacDonald,

Alumni Representatives; Anita Moore, Non-Academic Staff Representative; Sandy MacTaggart, Chancellor; Mary O'Neill, Senate Representative; and Elmer Brooker, Bill Grace, Al Hiebert, Len Leibel, Ed Makarenko, Penny Reeves, Robert Rosen and Tom Shields, Public Appointees.

Milner, Grace, Hiebert, and the Chancellor also served on the Presidential Review Committee. Its other members were: John Hankin, Senate; Grant Smith, Alumni Association; John Bertie, Susan McDaniel and Michael Asch, Academic Staff; Fred Otto, Deans' Council; Eugene Lecheit, Chairs' Council; Rod Wilson, AAS/UA; Elizabeth Armitage, NASA; Steven Karp, GSA; Kandy Boissonnault and Suzanne Scott, Students' Union.

Milner's term extended Will chair Board of Governors for minimum of 3 more months

Stan Milner, Chairman of the University of Alberta's Board of Governors, will continue in that capacity until at least November. His three-year term of office, which had been due to expire 15 August, was extended by Advanced Education and Career Development Minister Jack Ady.

"I am pleased to have my term extended," said Milner. "It will give me the opportunity to leave the University in good shape and in good hands."

Milner, a graduate of the U of A, is President and CEO of Chiefwin International Inc., an Edmonton-based oil and gas company. He was appointed to lead the 19-member Board in August 1990.

President Davenport calls on University to take a leadership role

The President has begun a six-month consultation process with Departments and Faculties on campus.

The process follows a meeting convened by Minister Jack Ady on 22 and 23 July. The meeting included representatives from all postsecondary institutions in the province. The Minister called on the institutions to work together to deal with smaller budgets and maintain accessibility.

"It is critical that the University of Alberta assume a leadership role in this process. Given the probable evolution of budgets over the next several years, we must continue to

find innovative ways to meet our academic priorities," President Davenport said.

The President announced the process in a memo to Deans, Chairs and Directors on 12 August.

From 18 to 25 August, consultation meetings were held with Immunology, Occupational Therapy, Economics and Soil Science.

"I would like to visit as many academic and support units as possible over the next six months, to hear the views of colleagues on how we might best determine and meet our academic priorities during a period of budgetary restraint," he concluded.

Hrudey awarded Canada's first Eco-Research Chair

Canada's first Eco-Research Chair in Environmental Risk Management has been awarded to Steve Hrudey, Professor of Environmental Health at the University of Alberta. In a ceremony 6 August, the announcement of Dr Hrudey's achievement was made by Federal Environment Minister Pierre Vincent. The University of Alberta proposal led 17 applications from across the country.

The Eco-Research Chair, the first to be established under Canada's Green Plan, will provide leadership for internationally recognized researchers to develop programs to tackle complex environmental issues. Of equal importance, Vincent said, is that the Chair will serve as a focal point for strengthening interdisciplinary research. He observed that "the Eco-Research Program breaks new ground in promoting integrated research by the social, natural and health sciences, the humanities and engineering."

In paying tribute to Dr Hrudey on behalf of the University, William Bridger, Associate Vice-President (Research), called the creation of the Chair "a landmark event". The proposal for this Chair involved the collaboration of seven Faculties, and the \$2.8 million of funding has required extensive cooperation between three levels of government, three federal granting councils, two Alberta Government departments, the Alberta Heritage Foundation for Medical Research, the City of Edmonton and 19 private companies. "The extent of the partnerships is extremely impressive," observed Dr Bridger.

In his remarks, Dr Hrudey acknowledged that although environmental awareness has been improving, Canadians need to recognize that people make pollution. He predicted that most environmental problems to be solved in the next century will be driven by having too



Steve Hrudey

many people on this planet consuming too many resources.

"We will have to accept that Mother Earth has finite resources and we must find more sustainable ways of living within those finite constraints. That will require our society to make increasingly difficult choices," he stated.

Dr Hrudey's research will involve collaboration with several other disciplines to develop a more rigorous foundation of environmental risk knowledge. Study of environmental risk involves answering the questions: What can go wrong? How likely is it to go wrong? and What are the adverse consequences?

Mayor Jan Reimer, who participated in the program, said legislation need sound scientific knowledge about environmental risks in order to develop effective public policies and set priorities. She added, "what is learned through this project will be of great value to other countries around the world who face similar problems."

Continued on page 2



Nicole Kiflik, a student at Faculté Saint-Jean, is part of the enthusiastic group of 25 students who are calling alumni to ask for gifts to the University of Alberta's 1993 Annual Fund. Kiflik has already raised \$23,771 in pledges since mid-June for specific Faculties, the Library, and special projects. The Student Calling Program as a whole has raised \$200,000 to date and will continue five nights a week, every week, until December.

Hydrotherapy linked to deadly infection in burn patients

Firefighters' Burn Treatment Unit releases study

The overall mortality rate of burn patients who contract the bacteria *Pseudomonas aeruginosa* and have it infiltrate their blood streams is over 50 percent. The number of patients who become infected could be reduced dramatically as result of a basic change in treatment initiated by a group of University of Alberta researchers led by Ted Tredget.

Dr Tredget, a plastic surgeon, researcher, and Director of the Firefighters' Burn Treatment Unit, spent four years studying *P. aeruginosa*. The study began because of a life-threatening accident involving Terry Shaw of Rowley. Shaw suffered third-degree burns to his back, face and hands when a gas plant boiler ruptured in January 1990. *P. aeruginosa* set in 10 days after he was hospitalized, and Dr Tredget reasoned that the source of the

infection was the hydrotherapy equipment. (Dr Tredget refers to *P. aeruginosa* as "an opportunistic gram-negative pathogen that thrives in an aquatic environment.")

Results of a survey of North American burn units showed that more than 90 percent of them use some form of hydrotherapy as part of the treatment of burn patients.

"The study started with Terry and his problem and grew from there," Dr Tredget said at a news conference last week.

His research group compared the incidence and pattern of *P. aeruginosa* infections in burn patients over a two-year period after hydrotherapy was discontinued with the incidence and pattern during the two years preceding the change in wound care policy.

There were six pseudomonas-related deaths during the hydrotherapy phase of the study and none thereafter, Dr Tredget said.

Stopping hydrotherapy led to other changes in the treatment, including a change from burn creams to using silver nitrate soaks for wound care. These changes resulted in a savings of more than \$400,000, largely in nursing time and dressing supplies.

The Alberta Heritage Foundation for Medical Research, the Medical Research Council of Canada and the Firefighters' Burn Trust Fund of the University of Alberta provided financial support for the study.

The Firefighters' Burn Treatment Unit, located in the Mackenzie Health Sciences Centre, is a regional referral burn center for central and northern Alberta, northeastern British Columbia, and a large section of the Northwest Territories. On average, 125 to 150 thermally injured adults and children per year are treated in a single intensive care unit.



Ted Tredget, Director of the Firefighters' Burn Treatment Unit

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Display advertisements: 3 pm Friday, seven days before desired publication date. Camera-ready artwork is required to size, complete with halftones if necessary. Contact Public Affairs for sizes, rates and other particulars.

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We have a winner

Online catalogue now known as The GATE

The Library's new online catalogue is now known as The GATE (Getting Access to Everything).

Randy Reichardt (Science and Technology Library) came up with the name and it was selected from about 70 suggestions received by the DRA (Data Research Associates) Publicity and Education Team.

Entries came from across campus, including Library staff, and from people within the Networking Edmonton's Online Systems (NEOS) groups, said the team's chair, Sandy Campbell. Through Froie, and on behalf of the committee, she thanks all those who entered the contest.

The name, the judges decided, readily reflects the character of a catalogue that will bring together the (at this writing) 25 NEOS libraries (including government and hospital libraries), and the University's Library. Also contributing to The GATE's status as a Cadillac sort of catalogue is its ability to link users with the catalogues of other libraries in Alberta, across Canada, and throughout the world.

The GATE is a more powerful search system than the current one, Campbell said. By late December, it should include almost all of the University Library's holdings. The collections of the various external libraries will be added throughout 1994.



Randy Reichardt, left, winner of the name-for-online-catalogue contest, accepts congratulations and gift certificates to a music store from Director of Libraries Ernie Ingles.

Faculty and staff can access The GATE via their office or home computer. A password is not necessary. One feature of the new catalogue is that a quick check will determine whether a particular book is on the shelf.

Doug Poff, who heads the Library's Information Technology Services, said Computing and Network Services was instrumental in the development of The GATE, and that the Library network, with more than 300 PC stations, will be the largest network within the campus network.

Board approves proposal for establishment of pre-professional year and quota change

Division of Medical Laboratory Science degree program

The Board of Governors has approved the establishment of a pre-professional year for the Bachelor of Science in Medical Laboratory Science degree program, effective September 1994.

The Board also approved a change to the first-year quota for the degree program from its current level of 26 to a quota of 26 for Phase (Year) I of a three-phase degree program. That change is coupled with the introduction of the pre-professional year.

The introduction of the pre-professional year, which has also been endorsed by General Faculties Council, is intended to enable students to get the pre-professional year requirements at other institutions, as well as the U of A. As it is now, the four-year program has a first-year quota of 26 students and a second-year quota of 26, with approximately 24 and 23 students, respectively, continuing on into the third and fourth years of the program.

The changes aren't expected to change enrollment patterns significantly, and the normally high attrition rate in the first year of the program is expected to be reduced. It's expected the changes will not affect the budget.

According to Robert Stinson, Director of Medical Laboratory Science, one of the major reasons for the proposal is to allow access to the program to as many outstanding academic students as possible.

"The very high attrition (up to 40 percent) in the first year of our program is a strong signal that we must change our admission procedures," he explained in the proposal. "Presently, admission into the first two years of our program is complex. The proposal has a much simpler scheme in which admission will only be to the first year of a three-year program. The Division believes the new program will allow for better equality of opportunity for all applicants."

It's expected the majority of students will earn the necessary credits by taking courses in the Faculty of Science.

Graduates become highly qualified research laboratory personnel and serve as senior and supervisory technologists in large hospitals and government and private laboratories. Some go on to graduate work or to teach in various schools that offer medical laboratory technology programs.

ORIENTATION FOR GRADUATE TEACHING ASSISTANTS

The 13th annual Orientation for Graduate Teaching Assistants consists of a symposium 7 and 8 September and follow-up sessions 13 and 14 October.

The orientation is free and is sponsored by University Teaching Services.

The two-day symposium will have concurrent sessions addressing generic teaching issues for instructors and students. Presenters include Anne Naith ("Leading Discussions"), David Cook ("Successful Lectures"), Lois Browne and Norman Gae ("An Introduction to Laboratory Teaching"), Susan Shaw ("The

Classroom Climate - A Chilly One for Some Students?"), and Heather Prince ("Making Your Entrance").

The purpose of the follow-up sessions is to have GTAs share what has worked and why, and to get input on issues and techniques that they are unsure about.

GTAs are asked to register as soon as possible (some sessions have limited enrollment). Registration forms are available from University Teaching Services, 215 Central Academic Building, 492-2826.

Pharmacology professor regarded as remarkable mentor for graduate students

Tessa Gordon awarded 1993-94 Killam Annual Professorship

When Tessa Gordon first arrived on the University's doorstep, she was asked by then Pharmacology Chair David Cook to improve a graduate course that had been on the books for years. The course enrollment was steadily declining and student reviews were not good.

"It sounds like a difficult job for a relatively new member of the academic staff, but my confidence in her was more than justified," says Dr Cook. "In one year the material was updated and restructured, additional cutting-edge information and concepts were added and several young and dynamic teachers were recruited to help her with the areas in which she doubted her own expertise."

"The result was one of the most popular and effective graduate courses we had given as a department, and I believe that Tessa still directs that course and that it is as popular as ever."

For this and a number of other reasons, Dr Gordon has been awarded a 1993-94 Killam Annual Professorship.

Of her own scholarship, Dr Gordon says, "I was privileged to obtain graduate and post-graduate training in physiology with two outstanding and inspiring scientists who are leaders in the neurosciences, Certa Vrbova in England, and Richard Stein in Edmonton. They introduced me to the intellectualism, rigour and fun of science."

Dr Gordon has progressively earned her own distinguished reputation in neuromuscular physiology, in particular, the remarkable adaptability of skeletal muscle under normal and pathological conditions. In fact, her international scientific stature was recently recognized by the Alberta Heritage Foundation for Medical Research with a Heritage Scientist award.

One of her colleagues at the University of Arizona says he particularly likes Dr Gordon's research approach. Douglas Stuart says Dr Gordon has an ability "to combine experimental techniques and concepts from the traditional fields of anatomy, biochemistry, pharmacology and physiology in her approach to virtually all of her problems."

Dr Stuart says Dr Gordon has been able to apply the modern techniques of molecular and cellular biology to her four areas of inter-



Pharmacology Professor and AHRM Scientist
Tessa Gordon

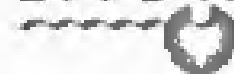
locking interest: neuromuscular development, plasticity, trophism and recovery from injury. Her major experimental work is routinely published in top-tier, refereed journals.

She has served on supervisory committees of 29 graduate students in several departments in the Faculty of Medicine and as an advisor and external PhD examiner in several universities in Canada and the United States. And she coordinates and teaches one of the major graduate courses in pharmacology.

Since 1984, 20 science and medical students have spent one or more summers working in her laboratory on research projects in the Faculty's summer research program. "Of those," says Dr Gordon, "three obtained graduate degrees in neurosciences, nine are presently in medical school, four are in medical practice, one is in dental practice, one is a lawyer and one is a graduate student in the Faculty of Arts."

"Without exception, I have maintained contact with the students and I am happy to have helped to inspire the majority to specialize in the neurosciences, including neurology and psychiatry."

LAURELS



■ Deborah Kully, Clinical Director of the Institute for Stuttering Treatment and Research, was one of eight women honoured at the YWCA's 12th annual Tribute to Women Awards. A speech-language pathologist, Kully was cited in the category of health, science and technology.

■ The University of Alberta Press has garnered an Alcuin Citation for its design of the book, *Costumes and Scripts in the Elizabethan Theatres*. The Press received third prize—an Alcuin Citation—in the General Trade Book Press category. The Alcuin Citations, under the auspices of the Alcuin Society of Vancouver, are the only national awards for excellence in book design in Canada. This year, citations were made on 25 titles out of 200 submitted by publishers. *Costumes and Scripts in the Elizabethan Theatres* was written by Jean MacIntyre (English); the interior was designed by Marian Banties of Typeworks, Vancouver, and the cover by Kerry Watt, the Press's in-house designer and production manager.

■ Greg Hollingshead (English) has become the first author to win two Writers Guild of Alberta best-book awards in the same year. His story collection *White Bird* (Oolichan) was awarded the 1993 Howard O'Hagan Award for Short Fiction, and his novel *Spin Dry* (Mosaic) the 1993 Georges Bugnet Award for the Novel. *Spin Dry* was also shortlisted recently for the Smithbooks/Books in Canada First Novel Award.

■ Professor Emeritus Olive Dickason (History) was recently awarded the Macdonald Prize of the Canadian Historical Association. The prize, awarded to Professor Dickason in Ottawa, was for *Canada's First Nations: A History of Founding Peoples from Earliest Times* (McClelland and Stewart), the book judged to have been the best among all works in Canadian history in 1992.

■ Clarence Preitz, Professor Emeritus of Secondary Education, was awarded the Presidential Citation of the International Technology Education Association (ITEA) at that

body's 55th annual conference held in Charlotte, North Carolina. In 1990, Dr Preitz was recognized by ITEA as a Distinguished Technology Educator. To date, he is the first Canadian teacher educator to receive both awards.

■ Chancellor Sandy MacLaggart has accepted a term on the Advisory Board to the Royal Society of Canada, and has been appointed Governor of the Dunsmuir Canadian Foundation.

■ Art Quinney, Dean of the Faculty of Physical Education and Recreation, and David Magee, Chair of the Department of Physical Therapy, have been awarded volunteer recognition plaques by the Sport Medicine Council of Alberta. Dr Magee served on the SMCA curriculum committee from 1983 to 1991, where he was instrumental in developing the Athletic First Aid course, and where he assisted in the development and direction of the Sport Medicine Council of Alberta's Education Programs. Dr Quinney served on the Board of Directors from 1985 to 1988, where he helped develop the SMCA, and provided leadership and guidance for the Council's activities and planning.

■ His work with the Kidney Foundation of Canada has resulted in John Dosssetor (Bio-medical Ethics) being awarded the Commemorative Medal for the 125th Anniversary of Canadian Confederation. The award is bestowed by the Governor General of Canada upon people who have made a significant contribution to Canada, to their community, or to their fellow Canadians. The honour was applied for by Mary Catherine McDonnell, National President of the Kidney Foundation of Canada, of which Dr Dosssetor is a founding member.

■ Brian Silver, Associate Vice-President and Registrar, was selected from among Canadian registrars and student services professionals to give the keynote address at a conference at the University of the West Indies. He also served as a workshop facilitator. The CTDA-sponsored event, held at Ocho Rios, Jamaica, centred on the management of student admissions, registration and orientation.

McCalla Professor responds to need for new maps of Cayman Islands

One of the long-term aims of 1992-93 McCalla Professor Brian Jones's research program is to decipher the geological evolution of the Cayman Islands (Grand Cayman, Cayman Brac, and Little Cayman).

"An integral part of this work is the development of new geological maps that show the surface distribution of the various geological formations that occur on these islands," Professor Jones says. "These maps are needed because there have been no updated versions published since the original ones were prepared by Charles Matley in 1928." (Matley, an Englishman, was based with the Geological Survey in Jamaica.)

Professor Jones says that his year as a McCalla Research Professor figured prominently in the production of these maps. "Such work was based on the material that I collected over the past 11 years and field work that I did in the 1982-93 period. In addition, funding from NSERC allowed a drilling and coring program to be initiated. Thus, during September-October 1992 and June-July 1993,

core was obtained from 40 wells that were drilled at various localities on Grand Cayman."

Collectively, he says, this research has allowed a revision of the stratigraphic framework of the Cayman Islands. Two new formations have already been named and the coring completed this year suggests to Professor Jones that there are at least two other formations that have not been previously recognized.

Having obtained "a much clearer picture of the geological framework of the islands," Professor Jones hopes to produce a new set of geological maps over the next year or so. "Beside their geological importance," he says, "these maps and their associated information will also have important ramifications for the development of freshwater resources and the excavation of building and construction materials."

The Cayman Islands, located south of Cuba and northwest of Jamaica, are a colony that maintains close ties with Great Britain.



Bob Francis, representing the Medical Class of 1942, performs a labour of love at the southeast corner of the Dentistry-Pharmacy Building. In honour of its 50th anniversary, the Class recently planted a red oak tree, a gift to the University and a memorial to the Class's 47 students, about a third of whom are still living.

Metallurgist probing the past with modern, investigative techniques

Michael Wayman's world revolves around origins and ages of metal artifacts

Many people have asked Mining, Metallurgical and Petroleum Engineering Professor Michael Wayman what sparked his interest in ancient materials and technologies and historical and archeological metallurgy. He laughs. "I'm not sure I've found a good answer yet."

However, Dr. Wayman recalls when Cliff Hickey (Anthropology), who has studied the Copper Inuit extensively, asked him in the early 1980s if it would be possible to distinguish between European-introduced copper of the 19th century and the naturally occurring copper in the Canadian Arctic.

"We analyzed a number of objects [many were projectile points] from the Arctic and were able to show which were made from European-smelted copper and naturally occurring—so-called native—copper," Dr. Wayman recalls. "That's what got me started."

Now, his passion involves the determination of the origins and ages of metal artifacts, and the kinds of technological methods people used to manufacture metal objects.

His education was typical of most metallurgists. He earned an undergraduate degree in metallurgical engineering from the University of British Columbia in 1964, went on to complete an MSc in metallurgy at McMaster University in 1966, and then completed a PhD in metallurgy at the University of Cambridge in 1968. He was hired by the University of Alberta in 1969.

Dr. Wayman still teaches metallurgy engineering courses and, in his capacity as an adjunct professor in the Department of Anthropology, he brings a formidable knowledge of the subject to the task of teaching archaeometry (the application of science to questions posed by archaeologists about metal artifacts).

A disciplinary synthesis has occurred in his work, not unlike the metallurgical synthesis that occurs when copper and tin are combined to form bronze. "When you dig deeply enough into any metallurgical problem —



Michael Wayman: answering questions such as, Where did the object come from? What technologies were used to make the object? And how old is it?

whether it be with ancient or modern materials—you always reach a point where the next level of understanding hasn't been reached yet," says the soft-spoken professor. "For example, in working with the Copper Inuit materials, the native copper has particular characteristics which haven't been well studied in modern materials. They have particular structural characteristics that are not normal in modern materials. That's one way we are able to distinguish them from modern materials."

Dr. Wayman, a Fellow of the Canadian Institute of Mining, Metallurgy and Petroleum, believes the metallurgical processes of the past can not only reveal additional cultural information of the past, but can inform present-day metallurgists. "I'm trying to reconstruct the processes of the past from the microstructures, and all this relates in a gen-

eral way to how processes affect microstructures. And the development of techniques for better studying microstructures is enhanced," says the metallurgist, who uses the department's state-of-the-art scanning electron microscope to uncover information about past metallurgists' trade processes.

Some materials have survived the centuries in remarkably good shape. For example, he's examining Chinese bronze objects (mirrors and spearheads about 2,000 years old from the Han Dynasty) which have built up a corrosion resistant layer on the surface. They're in excellent condition. "We don't completely understand how this happened, but it appears to have happened naturally. So, if we could understand what happened we could perhaps develop a treatment that would produce the same kind of corrosion-resistant behaviour."

Other objects he's studying haven't survived the ages as well as those from the Han Dynasty. In a bottom drawer, he casually pulls out a rusty, old tin can from the Franklin Expedition, sent to him by anthropologist Owen Beattie. "We're poking around the solder to determine if there's any evidence that lead has been leached from the solder by the food, and the scanning electron microscope is very useful for that kind of analysis."

More recently, he and colleagues at the British Museum have turned their attention to Northwest Coast Indians' use of early metals, iron and copper, prior to European contact. That investigation may reveal invaluable information about northwest coastal Indian culture.

His archaeometric investigation is "wonderfully stimulating," says Dr. Wayman. "It adds a dimension to science and technology that all our students should be exposed to."

"It's an example of the fact that all technology and engineering involves people. You can't just look at these things as objects and structures," Dr. Wayman, who spent a formative sabbatical in the mid-'80s with Ursula Franklin, a University of Toronto anthropologist who has investigated prehistoric copper technology and copper sources in the Western Arctic, the social aspects of technology and women's place in a technological world.

His academic sea change has taken place in an environment where many people live and work in airtight disciplines. "I firmly believe that this is a university and we shouldn't be restricting our approach to single ways of looking at things. Not everyone accepts my work as being important, though, but I think it is."

Clearly, Dr. Wayman likes crossing disciplinary and institutional boundaries. As well as working with on-campus colleagues in the Departments of Anthropology and Classics, he's collaborating with researchers in the British Museum, the Royal Ontario Museum and the Universities of Pennsylvania, Toronto and Calgary.

Japanese students given grounding in Canadian law and culture

Eighteen law students from a small city located along the Japanese coastline have not only been perfecting their English skills, but have been learning the language of law.

Through a joint project of the Faculty of Extension and Law, the Niigata University students have spent mornings studying Canadian law, after two weeks of English instruction with the Faculty of Extension.

The students, one of four groups of Japanese students here in Edmonton during August, have been participating in the English Language and Cultural Seminar program developed by the Faculty of Extension. "The program provides a unique opportunity for the students to perfect their English skills and learn about Canadian law at the same time," says program manager Mimi Hui.

They have also visited the provincial law courts, met with partners of law firms and participated in many different cultural activities.

"This not only helps their English language training, but gives the students a greater understanding about law in Canada. We believe it will only further their studies when they return to university in Japan," says Associate Dean of the Faculty of Law, Bruce Elman, who also teaches for the program.

"International affairs will be playing an increasing role in learning and scholarship at the University of Alberta in the years ahead,"

says President Paul Davenport. "The English Language Cultural Seminar is an excellent way to strengthen ties between the U of A and Japanese students and universities. Over the past two years, it has been my great pleasure to meet the presidents of each of the four Japanese universities involved in the seminar, and to find that we share a commitment to increasing the academic links between our institutions."

In addition to the Niigata students, there are about 60 students from three other Japanese universities participating in ELCS this summer. There are pharmacy and dentistry students from the Higashi Nippon Gakuin University, pharmacy students from Toho University and arts and science students from Shinshu University.

Hui says she sees a great change in the students' personalities during their short stay in town. "They are extremely shy when they step off the plane. I think they are quite overwhelmed by the wide open spaces and how large everything is. They are even impressed by the size of their dorm rooms at Lister Hall, but they become more open once they're comfortable with their surroundings."

"The cultural experience combined with learning is something they'll never forget. Some of the female students have pierced their ears or had their hair coloured ... things they wouldn't normally do at home."

Museum of Zoology prepares bird specimens for outreach program

As a truckdriver, Harry Johnson kept an eagle eye out for key intersections, one-traffic signs, and so forth, but he also indulged his passion for bird watching whenever possible. With his job taking him throughout North America, he saw and admired a great many birds.

"I've been watching birds all my life," says Johnson, an Edmontonian.

These days he's taxing his memory and applying his knowledge of birding to the preparation of educational museum bird specimens for the Department of Zoology's outreach program. The specimens will be loaned for brief periods to provincial park naturalists, public schools, the John James Nature Centre, the Kerry Wood Nature Centre in Red Deer and

other groups and organizations that have educational mandates. The project is made possible by a grant of \$1,700 to the department by the Recreation, Parks and Wildlife Foundation.

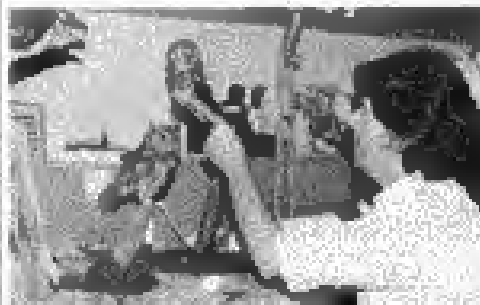
Johnson, who is retired from truckdriving and who makes his living as a taxidermist, "knows his birds as well as anyone," says Joe Nelson, Professor of Zoology and Convener of the Curators of the University of Alberta Museum of Zoology (UAMZ). He (Johnson) has prepared 70 birds since mid-July and hopes to reach 100 before the grant is exhausted in mid-September.

"All the specimens are irreplaceable; only a magic specimen would be replaceable," says Dr. Nelson.

Among the specimens that have been prepared are an evening grosbeak, a loon, and a burrowing owl.

Birds that have met with accidents, for example, getting caught in fishermen's nets or crashing into windows or struck down on highways and back roads, are brought to the department by Alberta Fish and Wildlife and by individuals.

The UAMZ contains material from throughout the world as well as an important historical record of the province's fauna. The museum benefits in its mandate in education, research, and service from the Friends of the Museum, Museum and Collections Services, Alberta Museums Association and Government of Canada Museums Assistance Program.



Harry Johnson at work in the Biological Sciences Centre. Birds of prey are his specialties; the birds shown here are a Ferruginous hawk, fell, a screech owl, crow, and a saw-whet owl.

Emeritus Professor conveying the wonders of science to youngsters Will Reese leaves the U of A behind, but not teaching

Will Reese's students applaud. In fact, they frequently cheer his performances. And every once in a while, one of his students will come up and give him a hug. So when the former professor's colleagues still teaching in the Faculty of Education ask him, "Don't you miss teaching university students?" Dr Reese says, of course he does, but they never once cheered after he finished one of his lectures.

Determined to continue doing something vital and worthwhile following his retirement a few years ago, Dr Reese (Professor Emeritus of Elementary Education) turned to elementary schools where he could continue to do what he loves—teaching. Part performer, part storyteller, part magician, part scientist, the white-bearded 67-year-old is invited to schools across the province to tell stories and cultivate students' interest in science.

Once he stood before a university lecture hall with books and chalk; now he stands telling stories and demonstrating the wonders of science before students sitting at his feet. Spread on a table behind him are his tools: ropes, water, bottles, balloons, candles, and all sorts of paraphernalia.

His second career has enabled him to accomplish several things. First, he has a love of children and of life, so what better place than schools to nurture those loves? Second, he wasn't ready to retire at age 65, although he quickly points out that he was ready for a change. Says Dr Reese, "I tell others that you have to start thinking about retiring into other things, not retiring out of things."

Third, Dr Reese has had a long-standing concern about the quality of science instruction in the elementary schools. "When I was supervising student teachers, I found out there wasn't much science going on in the elementary schools, so I wanted to get in there and shake things up a bit. (Dr Reese actually began doing his programs in schools long before he retired from university life.)

"I think the schools are doing a better job of teaching elementary science, which isn't saying a hell of a lot because they weren't



Storyteller and science teacher, Will Reese, paying a visit to #1 Picard School in Edmonton

doing a lot in the first place," he says bluntly. The problem wasn't specifically with curriculum, he explains, but, rather, with educational philosophy. "The teacher has to know the answers. Well, in science, a Grade 2 student can ask questions that a Nobel Prize-winning physicist can't answer."

"This bothers teachers. They didn't like science when they were students. They were afraid of science. And they are afraid the kids are going to ask them questions they can't answer. But gradually I hope we're convincing teachers that there are more and better resource materials to make it easier for them to help the child find the answers. The teacher doesn't have all the answers."

He notes that it takes longer for teachers to prepare to teach science, and the schools aren't giving them enough time to do that. Also, children don't learn science in a uniform manner. "It's not like learning the multiplication tables ... and [therefore] it requires more teacher attention to what the child is learning."

There are payoffs for teachers, however. "You never get bored teaching science, it's enjoyable and it's rewarding."

Dr Reese has certainly found the activity rewarding, and not just in the classroom setting. During his career, he's produced innumerable educational programs for radio and television stations. He remembers once when he was doing a program in a series for CBC on the senses, the technician began counting down the end of the program, 10, 9, 8, 7 ... A fly buzzing around the studio landed right on the end of his nose. Dr Reese crossed his eyes and said, "and next week we'll be studying the sense of touch." The studio crew laughed uproariously. It was a great ending for the program, he recalls.

AUCC issues federal election package

The Association of Universities and Colleges of Canada (AUCC) has developed an information package to educational institutions in making their case during the next federal election.

The package sent to the 83 institutional members of the association includes backgrounders on:

- economic benefits of the universities,
- AUCC's proposed income contingent repayment student assistance plan,
- questions and answers on AUCC's proposed student assistance program,
- A *University Affairs* article on AUCC's new student assistance plan for alumni publications or university newspapers,
- university research, and
- university trends.

AUCC has encouraged its member institutions to use the information in "dealings with local candidates and media."

The information kits were sent to the Presidents and Directors of Communication at AUCC member institutions.

Office of Human Rights relocates

The Office of Human Rights has moved to 252 Athabasca Hall. All Office and staff telephone numbers remain the same as listed in the University's Telecommunications Directory.

His objectives are straightforward. "I hope I'm promoting an interest in science, writing, storytelling and reading. I want to give children the idea that reading is something they'll have for the rest of their life," says the author of two well-received children's books, *The Money Tree* and *Edmund and the Talent Stone*.

"Reading is an important adjunct to making life worthwhile."

"All of these things are based in creativity, so in many of the activities that I do in schools, I stress the creative aspects," says Reese, who adds that the biggest educational crime is boring the children.

"The way I keep from ever boring myself is by never doing the same program twice," he says. Some schools ask that he emphasize his storytelling (a talent he learned from his father and which he later honed on four children), while others want him to emphasize his scientific elements.

About 25 years ago, when he was teaching at the U of A, publishing, writing plays and working in radio and television, he began doing the school programs on a voluntary basis. He travelled to the far-flung corners of the country, to places such as Halifax, Winnipeg, Igloodik, Frobisher Bay and Inuvik. "Human nature is funny, though," he says. "When it was a voluntary thing, the people in the schools would give me the idea that they were doing me a favour to let me come in and use their valuable classroom time. When I started charging for it, the red carpet rolled out."

Today, he presents his innovative and entertaining program primarily in the northern half of the province. Typically, people hear about it through word of mouth.

TALKS

BOTANY

1 September, 3:30 pm

Julie McDonald, "The Kinetics of Aluminum Uptake by Cell Suspensions of *Phaseolus Vulgaris* L." M-149 Biological Sciences Centre.

CHEMISTRY

13 September, 11 am

Ronald Parry, Department of Chemistry, Rice University, "Recent Investigations on the Biosynthesis of Natural Products." V1-07 V-Wing.

EXTENSION

16 September, 7:30 pm

Jan Fox, warden, Federally Sentenced Women's Facility, "The Federally Sentenced Women's Initiative." 2-36 University Extension.

GEOGRAPHY

3 September, 3 pm

Rose D Powell, Department of Geology, Northern Illinois University, "Glacio-Marine Sedimentation." 3-36 Tory Building.

PHYSICS

13 September, 2 pm

Donald H Perkins, Nuclear Physics Laboratory, University of Oxford, United Kingdom, "Are Diamonds Forever?" V1-28 V-Wing.

14 September, 2 pm

Professor Perkins, "60 Years of Neutrino Physics." V1-29 V-Wing.

15 September, 2 pm

Professor Perkins, "Solar and Atmospheric Neutrinos." V1-29 V-Wing.



SURPRISE STORYTELLER

When a group of children from the Students' Union and Community Daycare arrived at the University Bookstore they knew there would be stories but they didn't know who would read them. It turned out to be "Barbie," in the person of Colleen Olmick. Besides storytelling, the children's visit featured a dinosaur puppet show and refreshments.

CURRENTS



Faculty Badminton Club Open House

Faculty and research staff, including spouses, are invited to the Faculty Badminton Club's open house, 8 to 10 pm, 8 September, Education Gym. Members range from beginners to advanced players. Come for fun and exercise. Free birds. Loaned rackets available. Information: Karl Chuang, 492-4676.

Fundamentals of Biosafety

'Fundamentals of Biosafety' is a course intended for University staff and graduate students who are expected to handle biohazards. Topics include: lab-acquired infections, hazard identification, control of biohazards and regulations and responsibilities involved with biohazards in the workplace.

The six-hour course is scheduled as follows: 13 and 14 September, 1:30 to 3 pm; 15, 16 and 17 September, 1:30 to 2:30 pm. There will be an optional one-hour exam 22 September at 9 am.

Course cost: \$25 per person (University staff and students); \$250 per person (Non-University personnel). Registration deadline: 1 September. Contact Don Kozel, 492-3142, for further details.

Enviro Fair '93

The Department of Housing and Food Services is sponsoring its second annual Environmental Awareness Exposition (Enviro Fair '93) and BBQ for students and staff. The purpose of the event is to launch environmental initiatives in the residences and to increase visitors' awareness of the need for energy reduction and waste management.

All public education groups on campus and in the Edmonton area are invited to set up displays at Enviro Fair, to be held on the front grounds of Uster Hall, 16 September, 11 am to 2 pm.

The contact person for Enviro Fair is Michel Ouellette, Residence Life Programming Manager (492-4281).

Dentistry schedules fun run/walk

The Faculty of Dentistry's Second Annual Fun Run/Walk will take place 18 September. The event, which consists of a 10-km run and a 3-km walk (both on University grounds), is for all individuals involved in the dental profession, their families and friends. All proceeds will go to the Fund for Dentistry. Call 492-5023 for further details.

POSITIONS



The University of Alberta is committed to the principle of equity in employment. The University encourages applications from aboriginal persons, disabled persons, members of visible minorities and women.

ACADEMIC STAFF

DEAN OF STUDENTS

The University of Alberta is seeking applications for the position of Dean of Students. This competition is open on a secondment basis to all continuing members of faculty of the University of Alberta.

The Dean of Students reports to the Vice-President (Student and Academic Services). As the senior administrator in charge of students and student services, the incumbent will work closely with the University community—including service units, faculties, academic departments, students and student associations—to enhance the student experience at the University of Alberta. In addition, the incumbent will have direct responsibility for the effective management and coordination of nine administrative units charged directly with providing services to students.

The successful candidate will possess skills in some or all of the following areas: program development; program evaluation; conflict management, including advocacy, mediation and conflict resolution; policy development; administration; and communication. A successful record of relating effectively with both individual students and student groups is essential, as is a demonstrated empathy for the ambiguous and complex issues facing students today. Proven leadership experience in a consultative environment is also required.

The incumbent will have an understanding of the basic principles of natural justice and be able to demonstrate the important role

of advocacy, mediation and support in ensuring that students are dealt with in accordance with those principles. In addition, the successful candidate will understand the University as a complex community and will possess the desire and ability to make a difference within that community by assisting the University in defining and enhancing a healthy and productive relationship with its students.

The Dean of Students will be aware of the increasing diversity within the student population and will assist the University in ensuring that this diversity is reflected in University services, policies and practices.

The successful candidate will understand that the quality of the student experience at the University of Alberta is measured not solely by the accomplishment of academic goals but also by the accomplishment of personal aspirations and career goals.

This is a five-year appointment effective 1 January 1994. It is anticipated that a final selection will be made no later than 1 November. Faculty members interested in this position should apply in confidence by 21 September to: Dr Lois Stanford, Vice-President (Student and Academic Services), 3-5 University Hall.

Letters of application should include a brief statement of qualifications specific to the position as well as the names and phone numbers of at least three referees familiar with the applicant's professional experience. A curriculum vitae should also be included with the application.

SUPPORT STAFF

To obtain information on support staff positions, please contact Personnel Services and Staff Relations, 2-40 Asinibewi Hall, telephone 492-5201. You can also call the Job Information Line at 492-7205 (24 hours) or consult the weekly Employment Opportunities Bulletin.

EVENTS

EXHIBITIONS

BRUCE PERL SPECIAL COLLECTIONS LIBRARY

Until 1 October

"Art Nouveau Illustrations from Austria and Germany, 1895-1912." Hours: until 1 October—Monday to Friday, 8:30 am to 4:30 pm; closed weekends. B7 Rutherford South.

FAB GALLERY

Until 29 August

"Omote: Woman's Hand." Japanese Koto calligraphy.

EXTENSION CENTRE GALLERY

Until 30 September

"Art of the 1960's and 1970's"—an exhibition of works by six Edmonton artists working during these two decades. Gallery hours: until 31 August—Monday to Friday, 8 am to 4 pm; beginning 1 September—Monday to Thursday, 8:30 am to 8 pm; Friday, 8:30 am to 4:30 pm; Saturday, 9 am to noon. Information: 492-3034, 2-54 University Extension Centre.

McMULLIN GALLERY

Until 1 September

"Ella May Walker: An Alberta Modernist"—chronicles the development of an Edmonton artist's look at life in Alberta from the late 1940's through the 1950's. "Ella May Walker: Fortress North—An Illustrated History"—is comprised of original watercolour and ink works both intended for her book, *Fortress North*, and actually used in its production. Gallery hours: Monday to Friday, 10 am to 4 pm; Saturday and Sunday, 1 to 4 pm; evenings subject to availability of volunteers. Information: 492-8428 or 492-4211. Mackenzie Health Sciences Centre.



Calligraphy from Omote: Woman's Hand

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RENT - Executive condo. View of river valley. Totally renovated, 1,380, two bedrooms, two balconies. Marble floors, hardwood tool Sit-down shower/steam room. \$1,200/month. Immediate. Western Relocation. 434-4629.

SALE - Parklawn, two bedroom bungalow. Excellent location, cul-de-sac, pie lot. Main floor totally upgraded. Downstairs, three piece bath, bedroom. Single garage with carport. Sherry Maile, Re/Max, 438-7000.

SALE - Riverbend, traditional four bedroom, two-storey, 2,307. Excellent location, cul-de-sac, exceptional pie-shaped lot. Sherry Maile, Re/Max, 438-7000.

SALE - Grandview, traditional two-storey, totally upgraded. Hardwood floors, oak kitchen. Main floor family room. Fully finished basement. Sherry Maile, Re/Max, 438-7000.

RENT - Old Strathcona, three bedroom, furnished main floor suite. Hardwood floors. Utilities included, \$850/month. Available immediately. 434-6287.

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SALE - Three bedroom townhouse, Riverbend, 1,937, \$154,900; three bedroom, Hyde Park, Minutes from University, \$129,900. Janice Duke, 488-2331, Royal LePage, 437-7480.

RENT - Belgavia, Four bedroom semi-bungalow. Lovely yard, single garage. Furnished. Ten-minute walk to campus. \$1,100/month. Non-smokers. No dogs. Available 1 September for one year. Western Relocation, 434-4629.

RENT - Riverbend, new executive home. Three bedrooms plus den. \$1,500/month. C Singh, 434-5375 (office), 434-1393 (home).

RENT - Spectacular view, luxury one bedroom river valley condo. One block from Grandin LRT. Available after 1 September. \$650/month unfurnished; \$795, furnished. Empire, 429-7979.

SALE - Large, well-built family home. Exclusive, mature neighbourhood. Quiet location, south backyard. Immediate possession available. Jean MacKenzie, Spencer Realty, 435-0808.

SALE - Windsor Park. Walk to University, beautiful view. Large bungalow, huge lot, 75'x183', two double garages. Chris Tenore, Spencer Realty, 435-0808, 433-5664.

SALE - Grandview, \$198,900. Attractive bungalow. Four bedrooms, three baths, five appliances. Quiet park location. Chris Tenore, Spencer Realty, 435-0808, 433-5664.

SALE - 2 1/2 story duplex, 1 1/2 years old, University Avenue. Extra large study/studio on third level. Double detached garage. Show home condition. Chuck Sealey, Century 21 Docker Realty, 444-6075.

RENT - Shared accommodation for one or two females. 15 minutes bus to University. 467-9990.

RENT - Shared accommodation near University for one or two females. \$300/month. Available immediately. 438-3077.

RENT - Elegantly furnished two-story home, two blocks from University and hospital. Four bedrooms, office, sunroom, family room, garage. December 1993 - 30 June 1994. No pets/smokers. \$1,490/month. 433-1193.

RENT - House for rent. Laurier Heights. Four bedrooms, two full baths. Easy access to University. Loose, references. \$1,050/month. Available 1 October. 483-2938.

RENT - Beautiful two bedroom house, North Glenora. Available for minimal rent for month of December for person willing to look after two small dogs. 454-7581 after 5 pm.

RENT - Historic house, river view, 750', one bedroom. Hardwood, fireplace. \$425 plus utilities. Quiet, nonsmoker. LRT, bikepath access. 453-6666, 424-1702.

RENT - Beautifully renovated 1,250', two bedroom home (basement not included), 11012 University Avenue. Available 31 August. Five appliances, garden, parking. \$1,000/month. Nonsmokers. 453-2513 or 452-1368.

RENT/SALE - Petrolia, executive four bedroom, well kept. One bus to University. No pets. \$1,300/month or sell, \$162,900. 435-8798.

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RENT - Near University, 8234 112A Street. Four bedrooms, 1 1/2 baths. Fully furnished. \$1,300/month. Available 3 September. 492-5301, 433-7165.

RENT - East Windsor Park. Five bedroom executive bungalow. Two baths, two-car garage. Available immediately. \$1,300. 468-1938.

RENT - Bonnie Doon area, fully furnished split-level. Five bedrooms, two baths. \$800. 1 September - 30 April 1994. 468-5166.

RENT - Renovated, newly furnished basement suite. Two bedrooms, large living room, four appliances. Share kitchen. Walking distance to University. Nonsmokers. \$660 plus utilities, \$300 damage deposit. 434-9583 evenings.

SALE - Malmo. 1,200' bungalow in quiet neighbourhood close to four schools, Southgate, University Farm. Entirely renovated. Double detached garage, five bedrooms, finished basement. Asking \$155,000. Clear title, immediate possession. 464-5287.

RENT - Quiet crescent, north Belgravia. 1,650' bungalow, three plus two bedrooms. Large kitchen and living room, deck, double garage, five appliances. \$1,180/month. Call 426-1440.

SALE - University area. Highrise condo on Saskatchewan Drive. Two bedrooms, two full baths. \$109,000. 429-4264.

SALE - University walking distance. Old charm, new design. 2 1/2 story, 1,700'. Three bedrooms, two studies. Phone 438-3274.

RENT - Four bedroom home, two bathrooms, six appliances. Quiet North Glenora. Fenced yard, large garage. Close to schools. Direct bus to University. \$1,000/month. Available September to May. 455-0517.

RENT - Three bedroom furnished and equipped house. 1 September. 432-7845.

SALE - Westbrook Estates. Classy four bedrooms. Great for entertaining. Large dining, living and family rooms. Quality throughout and mint condition. Solarium/hot tub. Marjorie King, Spencer Realty, 435-0808, 435-0395.

RENT - Superbly located house on Saskatchewan Drive, close to University. Partially furnished, suitable for couple. Possession date negotiable. \$1,000/month. 439-9796 or 437-6738.

RENT - Millcreek. Three bedroom, five appliances, garage. 8730 84 Avenue. \$750. 446-4438.

SALE - Two lots, both 60' wide facing parkland, views, on Saskatchewan Drive. Call Liz Crookford, Spencer Realty, 435-0808.

SALE - Traditional two story 2,700'. Large bedrooms, ensuite jacuzzi, snazzy white kitchen. Finished basement, skylights. Quiet Riverbend crescent. Available now. Must sell Trade up. Liz Crookford, Spencer Realty, 435-0808.

SALE - \$125,000 three bedroom bungalow. Developed basement, hardwood under carpet, five appliances. Double garage, deck, security system. Good location, convenient to University. Liz Crookford, Spencer Realty, 435-0808.

SALE - Elegant two bedroom condominium in "The Belgravia". Fireplace, six appliances, jacuzzi, large balcony, underground parking. Adult building. Liz Crookford, Spencer Realty, 435-0808.

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